

What is claimed is:

1. A mobile communication system wherein a mobile router moving with mobile nodes performs location update of the mobile nodes on behalf of the mobile nodes; the mobile communication
5 system comprising: means for retaining a flag indicating whether the mobile router is active or not; means for inquiring about routing address information for the mobile router based on the value of the retained flag when paging is performed to the mobile node; and means for performing paging to the
10 mobile node using the obtained routing address information as a result of the inquiry.

2. The mobile communication system according to claim 1; further comprising means for setting the flag to a value
15 indicating an active state in response to a signal sent from the mobile node and indicating start of communication, and setting the flag to a value indicating a dormant state in response to a signal sent from the mobile node and indicating end of communication.

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3. A mobile communication system wherein a mobile router moving with mobile nodes performs location update of the mobile nodes on behalf of the mobile nodes; the mobile communication system comprising:
25 a routing manager comprising: a table for storing routing address information for the mobile router; and means for, when the routing address information for the mobile router in the

table is updated, notifying the updated routing address information; and

5 a location manager comprising: a table for storing the routing address information notified by the routing manager as location area information for the mobile router; and means for performing paging to the mobile node using the location area information stored in the table.

4. A location manager wherein a mobile router moving with
10 mobile nodes performs location update of the mobile nodes on behalf of the mobile nodes; the location manger comprising: means for retaining a flag indicating whether the mobile router is active or not; means for inquiring about routing address information for the mobile router based on the value of the
15 retained flag when paging is performed to the mobile node; and means for performing paging to the mobile node using the routing address information obtained as a result of the inquiry.

20 5. The location manager according to claim 4; further comprising means for setting the flag to a value indicating an active state in response to a signal sent from the mobile node and indicating start of communication, and

25 setting the flag to a value indicating a dormant state in response to a signal sent from the mobile node and indicating end of communication.

6. A location manager wherein a mobile router moving with mobile nodes performs location update of the mobile nodes on behalf of the mobile nodes; the location manger comprising: a table for storing routing address information for the mobile
5 router, which is notified whenever the routing address is updated, as location area information for the mobile router; and means for performing paging to the mobile node using the location area information stored in the table.
- 10 7. A routing manager used for a mobile communication system wherein a mobile router moving with mobile nodes performs location update of the mobile nodes on behalf of the mobile nodes; the routing manager comprising: a table for storing routing address information for the mobile router; means for
15 replying the routing address information stored in the table in response to an inquiry about the routing address information for the mobile router.
- 20 8. A routing manager used for a mobile communication system wherein a mobile router moving with mobile nodes performs location update of the mobile nodes on behalf of the mobile nodes; the routing manager comprising: a table for storing routing address information for the mobile router; means for,
when the routing address information for the mobile router
25 in the table is updated, notifying the updated routing address information.